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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: Thu Aug 30 14:10:38 EDT 2007

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Application No: 10784300 Version No: 3.0

Input Set:

Output Set:

Started: 2007-08-20 07:36:47.213  
Finished: 2007-08-20 07:36:48.193  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 980 ms  
Total Warnings: 5  
Total Errors: 0  
No. of SeqIDs Defined: 11  
Actual SeqID Count: 11

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W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)

# SEQUENCE LISTING

<110> BLACK, Roy A.  
PAXTON, Raymond J.  
BODE, Wolfram  
NASKOS, Klaus  
FERNANDEZ-CATALAN, Carlos  
CHEN, James Ming  
LEVIN, Jeremy Ian

<120> Crystalline TNF-alpha-converting enzyme  
and uses thereof

<130> 16163-039004

<140> 10784300

<141> 2004-02-24

<150> US 09/244,984

<151> 1999-02-04

<150> US 60/073,709

<151> 1998-02-04

<150> US 60/135,499

<151> 1998-03-30

<150> US 60/117,476

<151> 1999-01-27

<160> 11

<170> FastSEQ for Windows Version 4.0

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<212> PRT

<213> Artificial Sequence

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<223> Illustrative peptide

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<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Illustrative peptide

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Gly Ser His His His His His His

1 5

<210> 3

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<223> Consensus motif

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<213> Crotalus adamanteus

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1 5 10 15

Arg Arg Val Phe Met Lys Tyr Asn Ser Asp Leu Asn Ile Ile Arg Thr

20 25 30

Arg Val His Glu Ile Val Asn Ile Ile Asn Glu Phe Tyr Arg Ser Leu

35 40 45

Asn Ile Arg Val Ser Leu Thr Asp Leu Glu Ile Trp Ser Gly Gln Asp

50 55 60

Phe Ile Thr Ile Gln Ser Ser Ser Ser Asn Thr Leu Asn Ser Phe Gly

65 70 75 80

Glu Trp Arg Glu Arg Val Leu Leu Thr Arg Lys Arg His Asp Asn Ala

85 90 95

Gln Leu Leu Thr Ala Ile Asn Phe Glu Gly Lys Ile Ile Gly Lys Ala

100 105 110

Tyr Thr Ser Ser Met Cys Asn Pro Arg Ser Ser Val Gly Ile Val Lys

115 120 125

Asp His Ser Pro Ile Asn Leu Leu Val Ala Val Thr Met Ala His Glu

130 135 140

Leu Gly His Asn Leu Gly Met Glu His Asp Gly Lys Asp Cys Leu Arg

145 150 155 160

Gly Ala Ser Leu Cys Ile Met Arg Pro Gly Leu Thr Pro Gly Arg Ser

165 170 175

Tyr Glu Phe Ser Asp Asp Ser Met Gly Tyr Tyr Gln Lys Phe Leu Asn

180 185 190

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195 200

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 35 40 45  
 Glu Leu Ile Asp Arg Val Asp Asp Ile Tyr Arg Asn Thr Ser Trp Asp  
 50 55 60  
 Asn Ala Gly Phe Lys Gly Tyr Gly Ile Gln Ile Glu Gln Ile Arg Ile  
 65 70 75 80  
 Leu Lys Ser Pro Gln Glu Val Lys Pro Gly Glu Lys His Tyr Asn Met  
 85 90 95  
 Ala Lys Ser Tyr Pro Asn Glu Glu Lys Asp Ala Trp Asp Val Lys Met  
 100 105 110  
 Leu Leu Glu Gln Phe Ser Phe Asp Ile Ala Glu Glu Ala Ser Lys Val  
 115 120 125  
 Cys Leu Ala His Leu Phe Thr Tyr Gln Asp Phe Asp Met Gly Thr Leu  
 130 135 140  
 Gly Leu Ala Tyr Val Gly Ser Pro Arg Ala Asn Ser His Gly Gly Val  
 145 150 155 160  
 Cys Pro Lys Ser Gly Ser Ser Gly Gly Ile Cys Glu Lys Ala Tyr Tyr  
 165 170 175  
 Ser Pro Val Gly Lys Lys Asn Ser Lys Leu Tyr Ser Asp Gly Lys Lys  
 180 185 190  
 Lys Glu Ala Asp Leu Val Thr Thr His Glu Leu Gly His Asn Phe Gly  
 195 200 205  
 Ala Glu His Asp Pro Asp Gly Leu Ala Glu Cys Ala Pro Asn Glu Asp  
 210 215 220  
 Gln Gly Gly Lys Tyr Val Met Tyr Pro Ile Ala Val Ser Gly Asp His  
 225 230 235 240  
 Glu Asn Asn Lys Met Phe Ser Asn Cys Ser Lys Gln Ser Ile Tyr Lys  
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 His Leu Phe Phe Lys Tyr Tyr Gly Thr Arg Glu Ala Val Ile Ala Gln  
 35 40 45

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Asn	Thr	Thr	Ala	Asp	Glu	Lys	Asp	Pro	Thr	Asn	Pro	Phe	Arg	Phe	Pro	
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Asn	Ile	Ser	Val	Glu	Lys	Phe	Leu	Glu	Leu	Asn	Ser	Glu	Gln	Asn	His	
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Gly	Leu	Thr	Ser	Thr	Ser	Leu	Asn	Thr	Gly	Ile	Ile	Thr	Val	Lys	Asn	
145					150					155					160	
Tyr	Gly	Lys	Thr	Ile	Leu	Thr	Lys	Gln	Asn	Tyr	Gly	Ser	His	Val	Pro	
				165					170					175		
Pro	Lys	Val	Ser	His	Ile	Thr	Phe	Ala	His	Glu	Val	Gly	His	Asn	Phe	
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Gly	Ser	Pro	His	Asp	Ser	Gly	Thr	Glu	Cys	Thr	Pro	Gly	Glu	Ser	Lys	
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Asn	Leu	Gly	Gln	Lys	Glu	Asn	Gly	Asn	Tyr	Ile	Met	Tyr	Ala	Arg	Ala	
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Thr	Ser	Gly	Asp	Lys	Leu	Asn	Asn	Asn	Lys	Phe	Ser	Leu	Cys	Ser	Ile	
225					230					235					240	
Arg	Asn	Ile	Ser	Gln	Val	Leu	Glu	Lys	Lys	Arg	Asn	Asn	Cys	Phe	Val	
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Glu	Ser	Gly	Gln	Pro	Ile	Cys	Gly	Asn	Gly	Met	Val	Glu	Gln	Gly	Glu	
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Glu	Cys	Asp	Cys													
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 <213> Homo sapiens

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Asn	Ile	Gln	Gln	His	Ser	Val	Arg	Lys	Arg	Asp	Leu	Gln	Thr	Ser	Thr	
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Leu	Tyr	Leu	Thr	Ser	Ser	Thr	Glu	Arg	Phe	Ser	Gln	Asn	Phe	Lys	Val	
				85					90					95		
Val	Val	Val	Asp	Gly	Lys	Asn	Glu	Ser	Glu	Tyr	Thr	Ala	Lys	Trp	Gln	
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Gln	Glu	Val	Lys	Pro	Gly	Glu	Lys	His	Tyr	Asn	Met	Ala	Lys	Ser	Tyr
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Tyr	Tyr	Ser	Pro	Val	Gly	Lys	Lys	Asn	Ile	Tyr	Leu	Asn	Ser	Gly	Leu
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Thr	Ser	Thr	Lys	Asn	Tyr	Gly	Lys	Thr	Ile	Leu	Thr	Lys	Glu	Ala	Asp
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Leu	Val	Thr	Thr	His	Glu	Leu	Gly	His	Asn	Phe	Gly	Ala	Glu	His	Asp
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Pro	Asp	Gly	Leu	Ala	Glu	Cys	Ala	Pro	Asn	Glu	Asp	Gln	Gly	Gly	Lys
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Tyr	Val	Met	Tyr	Pro	Ile	Ala	Val	Ser	Gly	Asp	His	Glu	Asn	Asn	Lys
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Met	Phe	Ser	Asn	Cys	Ser	Lys	Gln	Ser	Ile	Tyr	Lys	Thr	Ile	Glu	Ser
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Ser	Arg	Val	Asp	Glu	Gly	Glu	Glu	Cys	Asp	Pro	Gly	Ile	Met	Tyr	Leu
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Gln	Cys	Ser	Asp	Arg	Asn	Ser	Pro	Cys	Cys	Lys	Asn	Cys	Gln	Phe	Glu
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Thr	Ala	Gln	Lys	Lys	Cys	Gln	Glu	Ala	Ile	Asn	Ala	Thr	Cys	Lys	Gly
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Val	Ser	Tyr	Cys	Thr	Gly	Asn	Ser	Ser	Glu	Cys	Pro	Pro	Pro	Gly	Asn
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Ala	Glu	Asn	Asp	Thr	Val	Cys	Leu	Asp	Leu	Gly	Lys	Cys	Lys	Asp	Gly
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Lys	Cys	Ile	Pro	Phe	Cys	Glu	Arg	Glu	Gln	Gln	Leu	Glu	Ser	Cys	Ala
		580						585					590		
Cys	Asn	Glu	Thr	Asp	Asn	Ser	Cys	Lys	Val	Cys	Cys	Arg	Asp	Leu	Ser
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Gly	Arg	Cys	Val	Pro	Tyr	Val	Asp	Ala	Glu	Gln	Lys	Asn	Leu	Phe	Leu
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625					630					635					640
Cys	Glu	Lys	Arg	Val	Gln	Asp	Val	Ile	Glu	Arg	Phe	Trp	Asp	Phe	Ile
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Ser	Ala	Ser	Val	Arg	Ile	Ile	Lys	Pro	Phe	Pro	Ala	Pro	Gln	Thr	Pro
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Gly	Arg	Leu	Gln	Pro	Ala	Pro	Val	Ile	Pro	Ser	Ala	Pro	Ala	Ala	Pro
			740					745					750		
Lys	Leu	Asp	His	Gln	Arg	Met	Asp	Thr	Ile	Gln	Glu	Asp	Pro	Ser	Thr
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770						775					780				
Ser	Ser	Thr	Ala	Ala	Lys	Ser	Phe	Glu	Asp	Leu	Thr	Asp	His	Pro	Val
785					790					795					800
Ala	Arg	Ser	Glu	Lys	Ala	Ala	Ser	Phe	Lys	Leu	Gln	Arg	Gln	Asn	Arg
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Asn	Ile	Gln	Gln	His	Ser	Val	Arg	Lys	Arg	Asp	Leu	Gln	Thr	Ser	Thr
50						55					60				
His	Val	Glu	Thr	Leu	Leu	Thr	Phe	Ser	Ala	Leu	Lys	Arg	His	Phe	Lys
65					70					75					80
Leu	Tyr	Leu	Thr	Ser	Ser	Thr	Glu	Arg	Phe	Ser	Gln	Asn	Phe	Lys	Val
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Val	Val	Val	Asp	Gly	Lys	Asn	Glu	Ser	Glu	Tyr	Thr	Val	Lys	Trp	Gln
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Asp	Phe	Phe	Thr	Gly	His	Val	Val	Gly	Glu	Pro	Asp	Ser	Arg	Val	Leu
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Ala	His	Ile	Arg	Asp	Asp	Asp	Val	Ile	Ile	Arg	Ile	Asn	Thr	Asp	Gly
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Ala	Glu	Tyr	Asn	Ile	Glu	Pro	Leu	Trp	Arg	Phe	Val	Asn	Asp	Thr	Lys
145					150					155					160
Asp	Lys	Arg	Met	Leu	Val	Tyr	Lys	Ser	Glu	Asp	Ile	Lys	Asn	Val	Ser



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Arg	Leu	Gln	Ser	Pro	Lys	Val	Cys	Gly	Tyr	Leu	Lys	Val	Asp	Asn	Glu
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Glu	Leu	Leu	Pro	Lys	Gly	Leu	Val	Asp	Arg	Glu	Pro	Pro	Glu	Glu	Leu
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Val	His	Arg	Val	Lys	Arg	Arg	Ala	Asp	Pro	Asp	Pro	Met	Lys	Asn	Thr
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Cys	Lys	Leu	Leu	Val	Val	Ala	Asp	His	Arg	Phe	Tyr	Arg	Tyr	Met	Gly
225					230					235					240
Arg	Gly	Glu	Glu	Ser	Thr	Thr	Thr	Asn	Tyr	Leu	Ile	Glu	Leu	Ile	Asp
				245					250					255	
Arg	Val	Asp	Asp	Ile	Tyr	Arg	Asn	Thr	Ser	Trp	Asp	Asn	Ala	Gly	Phe
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Lys	Gly	Tyr	Gly	Ile	Gln	Ile	Glu	Gln	Ile	Arg	Ile	Leu	Lys	Ser	Pro
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Gln	Glu	Val	Lys	Pro	Gly	Glu	Lys	His	Tyr	Asn	Met	Ala	Lys	Ser	Tyr
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Pro	Asn	Glu	Glu	Lys	Asp	Ala	Trp	Asp	Val	Lys	Met	Leu	Leu	Glu	Gln
305					310					315					320
Phe	Ser	Phe	Asp	Ile	Ala	Glu	Glu	Ala	Ser	Lys	Val	Cys	Leu	Ala	His
				325					330					335	
Leu	Phe	Thr	Tyr	Gln	Asp	Phe	Asp	Met	Gly	Thr	Leu	Gly	Leu	Ala	Tyr
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Val	Gly	Ser	Pro	Arg	Ala	Asn	Ser	His	Gly	Gly	Val	Cys	Pro	Lys	Ala
				355			360					365			
Tyr	Tyr	Ser	Pro	Val	Gly	Lys	Lys	Asn	Ile	Tyr	Leu	Asn	Ser	Gly	Leu
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Thr	Ser	Thr	Lys	Asn	Tyr	Gly	Lys	Thr	Ile	Leu	Thr	Lys	Glu	Ala	Asp
385					390					395					400
Leu	Val	Thr	Thr	His	Glu	Leu	Gly	His	Asn	Phe	Gly	Ala	Glu	His	Asp
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